



Dragonforce 65 Tuning Guide

Phil Burgess
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M - 0413 200 608 E - philb@psk.com.au

Estimated wind range - depends on wave action and tacking ability

		A+	A	B	C
		0 - 10 kts	8 - 15 kts	> 15 kts	> 20 kts
Mast Gate	Distance from Jib Pivot Eyelet to front of Mast (Can also use gate control as a ram to induce mast bend without changing forestay).	3rd line (175 mm)	4th Line (176 mm)	5th Line (177 mm)	Max Aft (178 mm)
Mast Rake	A+ From backstay crane hole to top of backstay hook A, B, C From top of Forestay tang to top of backstay hook.	951 mm. From soft to firm as wind builds	785 mm. Slightly firmer backstay & tight forestay	698 mm. Firmer backstay & tight forestay	620 mm. Firmer backstay & tight forestay
Mast Bend	Tension Backstay so Mast bend matches Mainsail luff, so sail easily flops from side to side when tilted	Soft settings	Match luff round	Match luff round	Match luff round
Boom Outhaul Sail Depth	At centre of Jib Boom deepest point	20-25 mm, 15 mm at top of range	15-20 mm	15-20 mm	10-15 mm
	At centre of Main Boom deepest point	25-30 mm, 15 mm at top of range	15-25 mm	15-20 mm	10-20 mm
Boom - Close hauled	Jib - from Mast centre to end of Jib Boom. Place small mark on deck	38-43 mm	40-45mm	40-45mm	40-45mm
	Main - from centreline at end of Main Boom. (Adjust Tx for exponential adjustment for last 20 mm sheet travel for high and low pointing mode)	8-15 mm	10-20 mm	15-25 mm	15-25 mm
Leech Twist	Jib - from Centre of Mast to leech at mid point of jib leech. Draw small dot on leech at halfway point. (Adjust to balance rig. Let out if bearing away - In if rounding up)	50-60 mm, more twist at top of range	40-50 mm	30-45 mm	35-45 mm
	Main - from Backstay to leech at middle batten. Adjust to minimise rounding up. In if bearing away - Out if rounding up	40-55 mm, more twist at top of range	65-75 mm	55 mm	45 mm

Adapted from Tuning experience, Assembly Manual & Soch Guide

Common Mistake	Late for Start	Test angles both sides and Keep clear of other boats
	Hit Marks	Blink eyes approaching marks. Allow wider clearances, minimise port tack approaches
	Wrong Course	Pay attention!
	Hit Other boats	Correct protest and remember Sail Nos and incident
	Boat not balanced	Use Guide to avoid rudder movement, pre-race testing against another boat
	Broke Start	Practice Timing and acceleration rate